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P.O. Box 1450, Alexandria, VA 22313-1450 on this date, January 2, 3, 2005.

Karen Buzinski

Customer Number

24024

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application	on of:	Williams et al.)	Examiner:	Not yet assigned
Serial No.:		10/711,353)	Art Unit:	2859
Filed:		September 13, 2004)	Attorney Dock	tet No.: 22188/06858
For:	INTRINSIC O	GAUGING FOR NGS))		

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A&B forms and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

FOREIGN LANGUAGE DOCUMENTS

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for
foreign language documents, Applicant encloses herewith a copy of a Communication
from a foreign patent office in a counterpart application citing such documents, together
with that portion of the Communication indicating the degree of relevance found by the
foreign patent office.

INFORMATION DISCLOSURE STATEMENT Appln. No. 10/711,353

Attorney Docket No. 22188/06858

\boxtimes	foreign langua	with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for the documents, Applicant submits the following explanations: ion of Abstract enclosed.
		sh translations of foreign language documents are being submitted aerefore no concise explanation for such documents is required.
CERT	TIFICATION A	ND FEE PAYMENT INFORMATION
	months from t Action on the Action after fi therefore, no S required. If thi	ormation Disclosure Statement is being filed: (1) No later than three e application's filing date; (2) Before the mailing date of the first Office nerits (whichever is later); or (3) Before the mailing date of the first Office ng a request for continued examination under 37 C.F.R. § 1.114, and attement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is is not the case, the patent office is hereby authorized to charge any eposit Account No. 030172.
	Communication Statement Und Information D office in a countindividual des	ormation Disclosure Statement is being filed thirty days or fewer from a from a foreign patent office and Applicant submits the following er 37 C.F.R. § 1.704(d). Each item of information contained in the sclosure Statement was cited in a Communication from a foreign patent terpart application and this Communication was not received by any gnated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of Disclosure Statement.
	months from the merits, but otherwise close Applicant sub C.F.R. § 1.17	formation Disclosure Statement is being filed after the later of three e application's filing date and mailing date of the first Office Action on before a Final Office Action, Notice of Allowance, or an action that is prosecution in the application (whichever is earlier), and therefore that the following Statement under 37 C.F.R. § 1.97(e). No fee under 37 b) is required. If this is not the case, the patent office is hereby authorized elated fee to Deposit Account No. 030172
	cited in	or of information contained in this information disclosure statement was a Communication from a foreign patent office in a counterpart foreign ion not more than three months prior to the filing of this statement.
	cited in application	of information contained in this information disclosure statement was a Communication from a foreign patent office in a counterpart foreign ion or, to the knowledge of the undersigned, having made reasonable was known to any individual designated in 37 CFR § 1.56(c) more than onths prior to the filing of this statement.

MATIO No. 10/1	N DISCLOSURE STATEMENT	Attorney Docket No. 22188/06858		
The program 37 C.F the man Notice (which	esent Information Disclosure Statement is to R. § 1.97(e)) after the later of three month illing date of the first Office Action on the roof Allowance, or an action that otherwise dever is earlier). Accordingly, Applicant surf(p). The fee is being paid in the following	is from the application's filing date and nerits, but before a Final Office Action, closes prosecution in the application bmits the fee required under 37 C.F.R.		
	A check is attached in the amount of \$	as required under 37 § 1.17(p).		
	The patent office is hereby authorized to cany related fee to Deposit Account No. 03			
The present Information Disclosure Statement is being filed after the mailing of Office Action, Notice of Allowance or an action that otherwise closes prosecution application, but on or before the payment of the issue fee. Accordingly, Applications submits the following Statement under 37 C.F.R. § 1.97(e) along with the fee required 37 C.F.R. § 1.17(p).				
	Each item of information contained in this cited in a Communication from a foreign papplication not more than three months pr	patent office in a counterpart foreign		
	No item of information contained in this is cited in a Communication from a foreign papplication or, to the knowledge of the uncinquiry, was known to any individual desithree months prior to the filing of this state.	patent office in a counterpart foreign dersigned, having made reasonable gnated in 37 C.F.R. § 1.56(c) more than		
	AND, the fee is being paid in t	he following manner:		
	A check is attached in the amount of \$	as required under 37 § 1.17(p).		

INFORMATION DISCLOSURE STATEMENT Appln. No. 10/711,353

Attorney Docket No. 22188/06858

		•	ffice is hereby au ee to Deposit Ac		zed to charge the amount of \$	_ and
				Resp	ectfully submitted,	
Date:	1/1	3 05	_	Ву:	Douglas B. McKnight, Reg. No. 50,4 CALFEE, HALTER & GRISWOLD LI 1400 McDonald Investment Center 800 Superior Ave. Cleveland, OH 44114-2688 (216) 622-8559	

Approved for use through 07/31/2006, OMB 0651-0031

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/711,353			
Filing Date	September 13, 2004			
First Named Inventor	Peter C. Williams			
Art Unit	2859			
Examiner Name	not yet assigned			
Attorney Docket Number	22188/06858			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (5 known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 2,029,798	02/1936	Schellin	
		^{US-} 2,322,587	06/1943	Payne	
		^{US-} 3,103,373	09/1963	Lennon et al.	
		^{US-} 3,139,293	06/1964	Franck	
		^{US-} 3,153,974	10/1964	Canning	
		^{US-} 3,287,813	11/1966	Lennon et al.	
		^{US-} 4,127,927	12/1978	Hauk et al.	
		^{US-} 4,162,802	07/1979	Cox	
		^{US-} 4,919,455	04/1990	Yoshiro	
		^{US-} 4,925,217	05/1990	Ketcham	
		^{US-} 5,074,599	12/1991	Wirbel et al.	
		^{US-} 5,134,783	08/1992	Perry	
		^{US-} 5,226,679	07/1993	Klingler	
		^{US-} 5,280,967	01/1994	Varrin, Jr.	
		US- 5,388,866	02/1995	Schlosser	
		US- 5,441,312	08/1995	Fujiyoshi et al.	
		^{US-} 5,472,242	12/1995	Peterson	
		^{US-} 6,073,976	06/2000	Schmidt et al.	
		^{US-} 6,279,242	08/2001	Williams et al.	

		FORE	IGN PATENT DOC	UMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
		DE 4413595	10/1995	Berwald Werner		
		EP 903 529	03/1999	Nippon Pillar		
		GB 1361372	07/1974	The Weatherhead		
		GB 2049853	12/1980	James Neill		
		GB 2115940	09/1983	Vallourec		
		GB 2120795	12/1983	Benjamin Priest		

Examiner	 Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

22188/06858

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Attorney Docket Number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/711,353 Filing Date September 13, 2004 INFORMATION DISCLOSURE First Named Inventor Peter C. Williams STATEMENT BY APPLICANT Art Unit 2859 (Use as many sheets as necessary) **Examiner Name** not yet assigned

Sheet 2

			U.S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (I known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		^{US-} 6,502,323	01/2003	Williams et al.	
		^{US-} 6,640,457	11/2003	Williams et al.	
		^{US-} 6,766,582	07/2004	Williams et al.	
		US-			
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-		US-			
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		FORE	IGN PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
		GB 2225073	05/1990	Exxon Product.		
		JP 1295015	11/1989	Mitsuo Sugii		
		JP 5280520	10/1993	Mitsubishi Elec		
		WO 01/20214	03/2001	Swagelok Co.		
		EP 903529	03/1999	Armaturenfabrik		L
		JP 7243564	09/1995	Zexel Corp.		

Examiner	 Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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